

FIG. 1

FIG. 2 is a schematic diagram of a catheter system for measuring cardiac output. The system includes a catheter 10 with a distal tip 12 and a proximal handle 14. The catheter 10 is inserted into a patient's heart 8, specifically into the right ventricle 20. The catheter 10 is connected to a DSP unit 24, which is used to process the data collected by the catheter 10. The catheter 10 is also connected to a pressure sensor 16, which is used to measure the pressure in the right ventricle 20. The catheter 10 is further connected to a flow sensor 18, which is used to measure the flow of blood through the right ventricle 20. The catheter 10 is also connected to a temperature sensor 28, which is used to measure the temperature of the blood in the right ventricle 20. The catheter 10 is also connected to a pH sensor 29, which is used to measure the pH of the blood in the right ventricle 20.

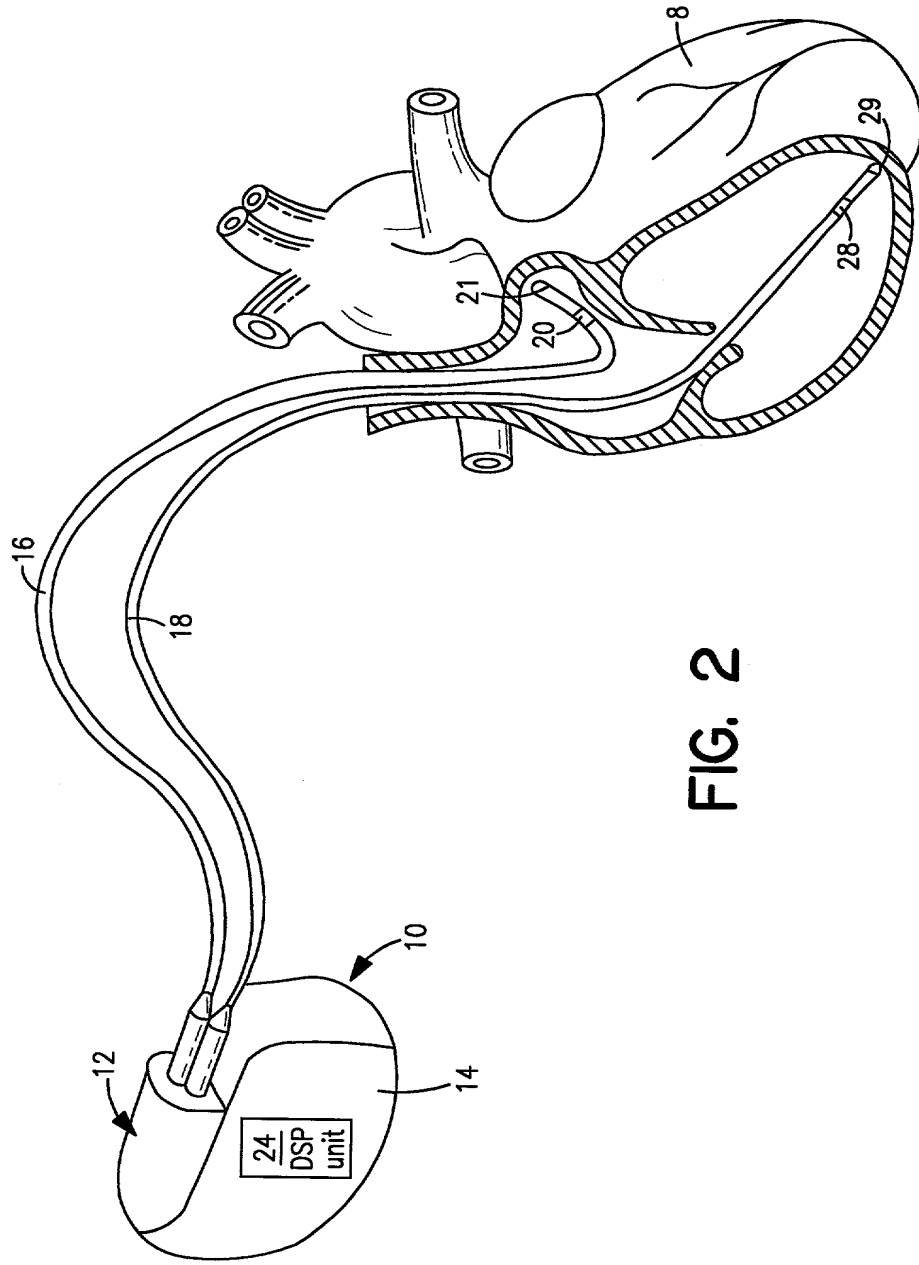


FIG. 2

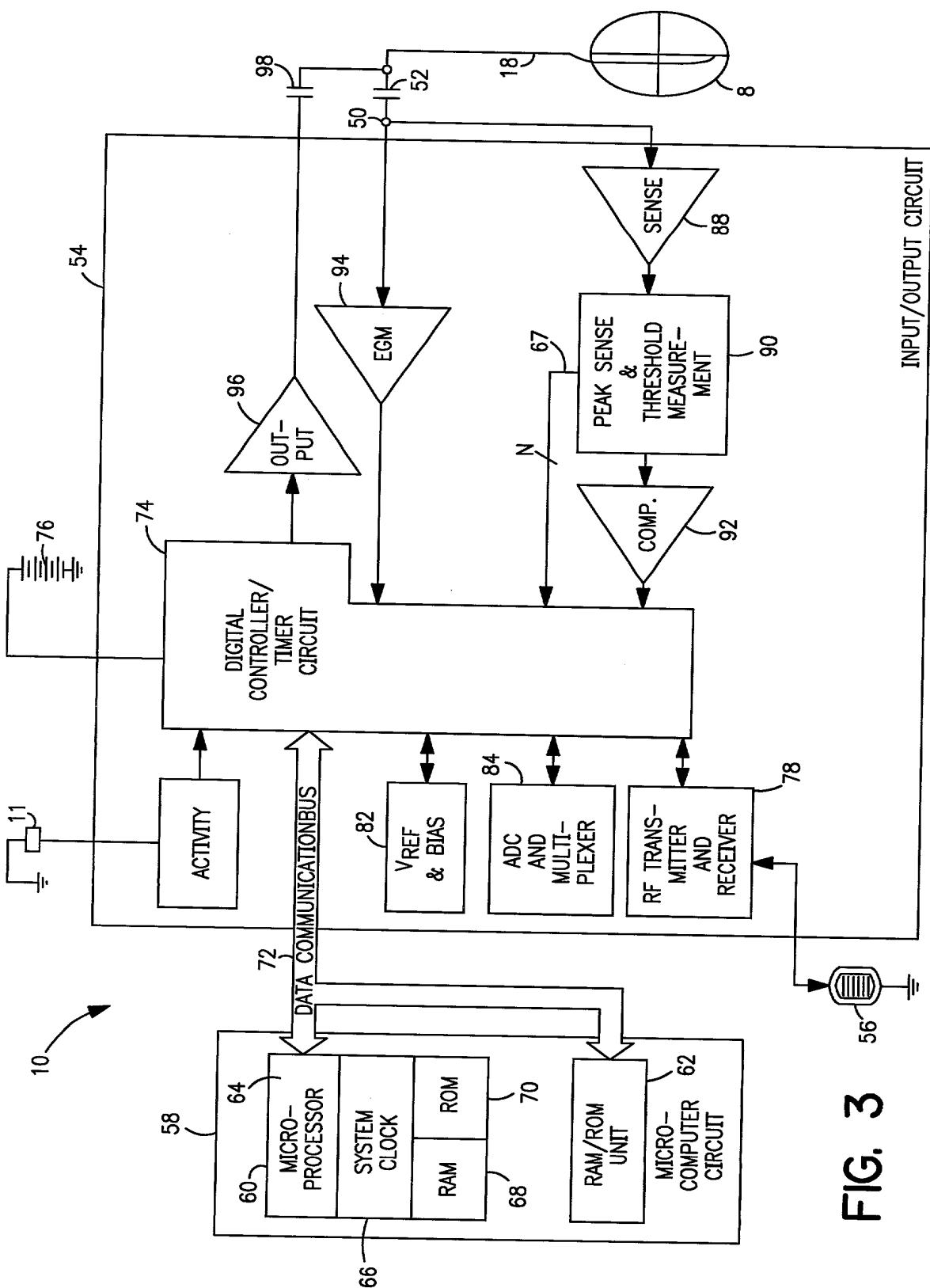


FIG. 3



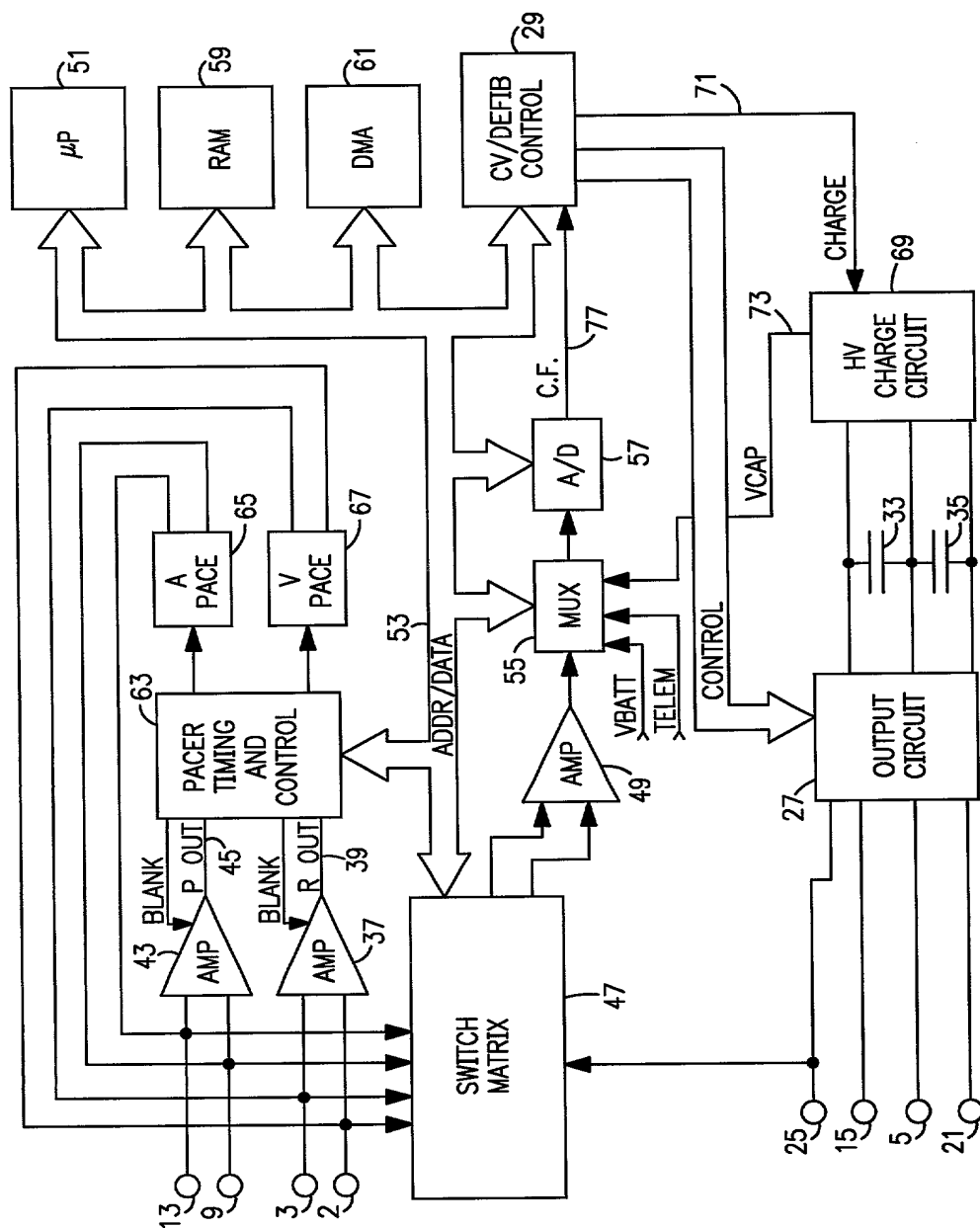


Fig. 5

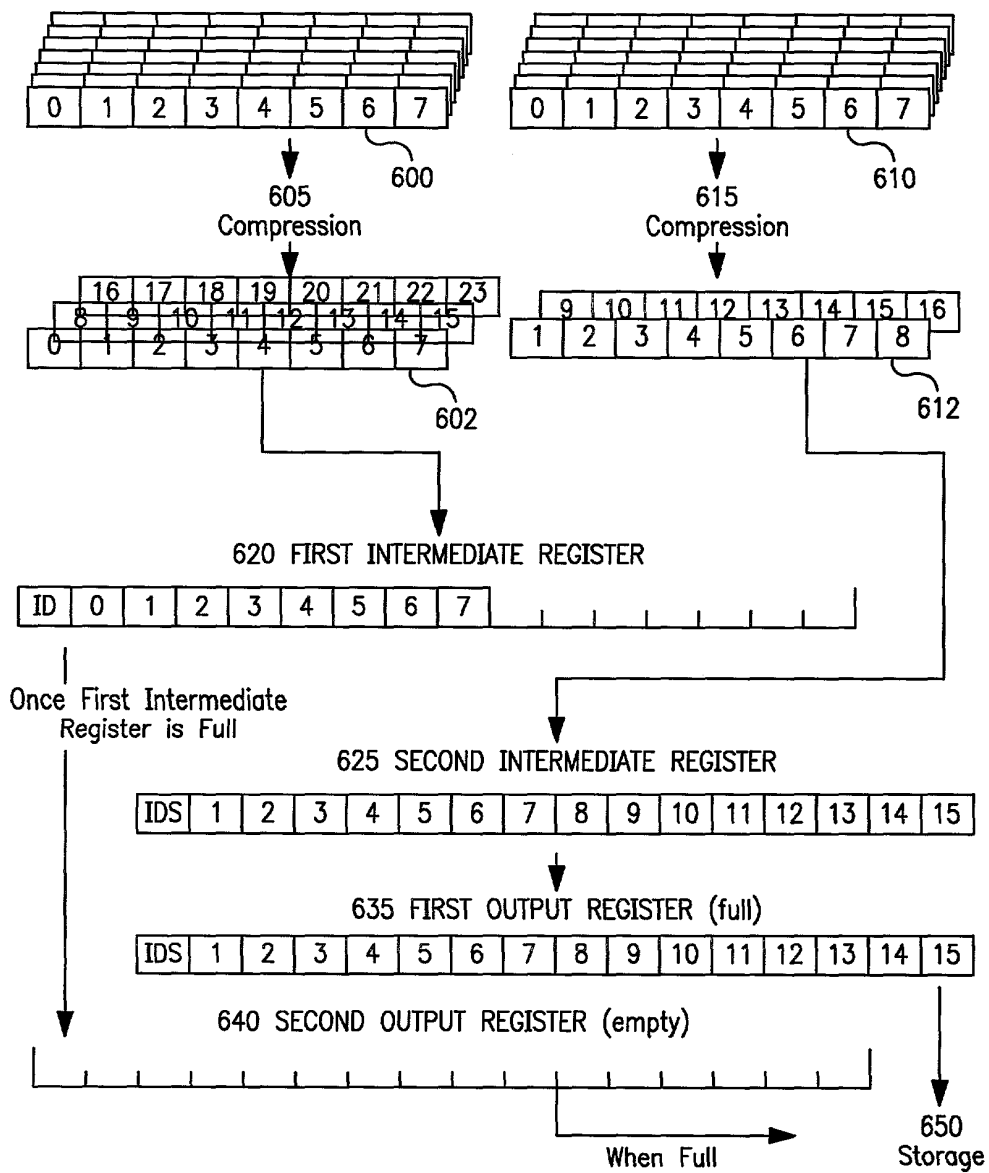


FIG. 6

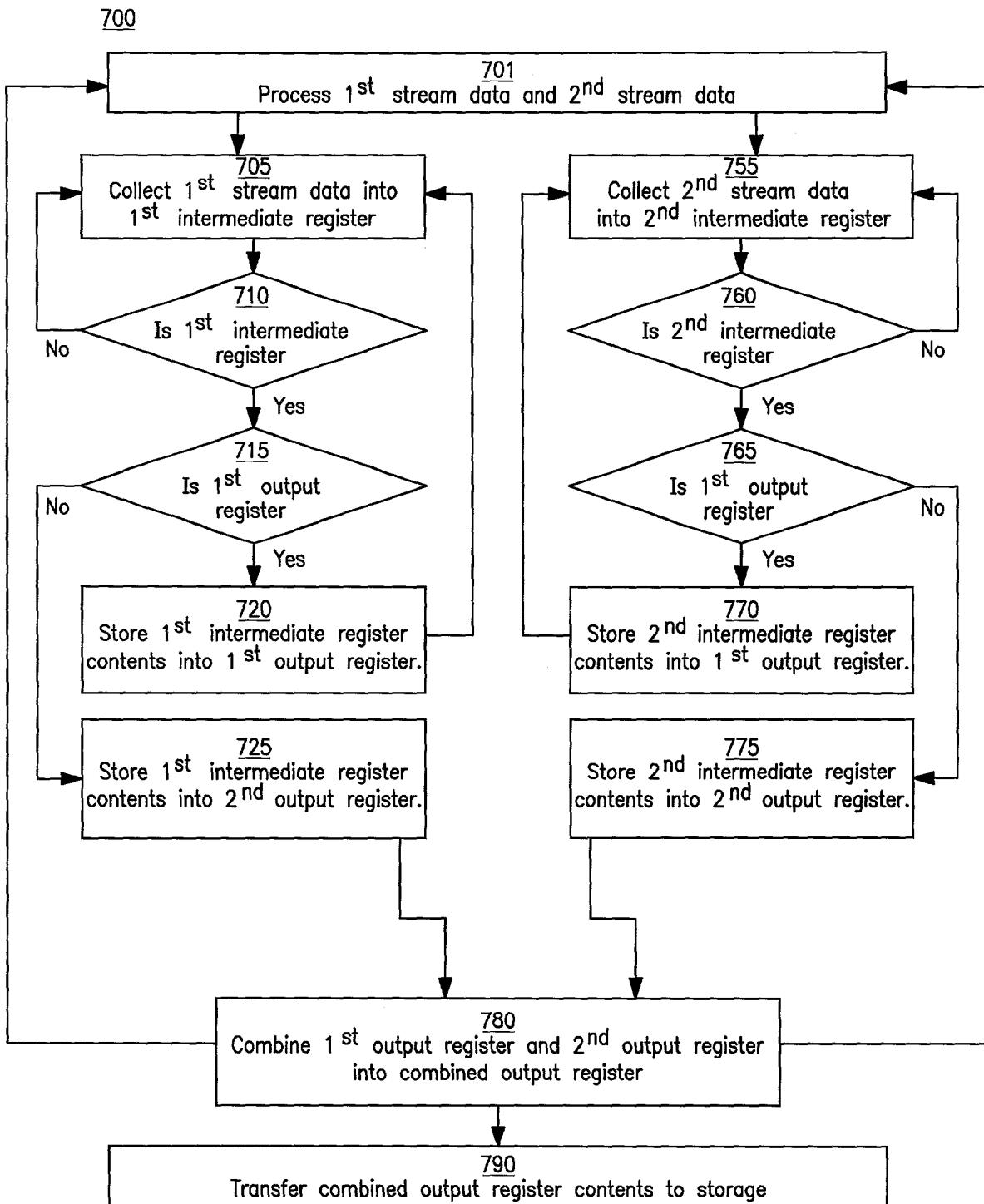


FIG. 7

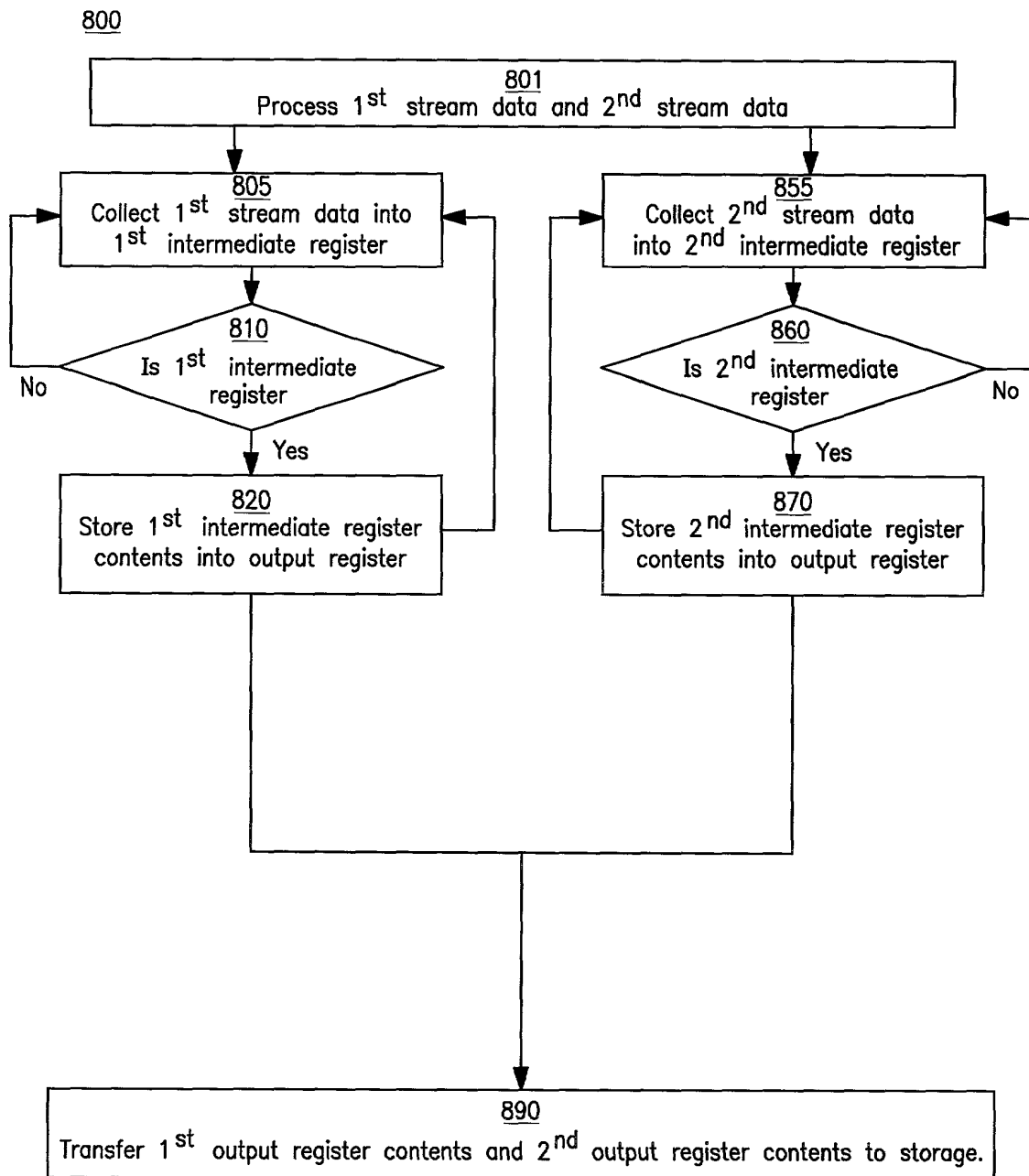


FIG. 8